AMENDMENTS TO THE CLAIMS

**This listing of claims will replace all prior versions and listings of claims in the application:**

LISTING OF CLAIMS:

1. (currently amended): A modem installed between a subscriber's terminal and an external modem for relaying communication, the modem comprising:

a timer for determining data transmission speed to the external modem; and

a timer controller for performing a training process for determining data transmission speed of a line connecting the modem and the external modem, the timer controller matching the data transmission speed with speed of the line by controlling output frequency of the timer based on the data transmission speed of the line determined by the training process,

wherein the timer controller performs the training process and controls the clock frequency of the timer ~~whenever~~ each time the modem attempts a connection to the external modem.

2. (canceled).

3. (original) The modem of claim 1, wherein the line is a telephone line and the modem is Asymmetrical Digital Subscriber Line ("ADSL").

4. (original) The modem of claim 1, wherein the external modem is installed at a main station that performs Asymmetrical Digital Subscriber Line ("ADSL") service to a plurality of subscribers' terminals.

5. (currently amended): The method for adjusting data transmission speed of a modem in a subscriber's terminal and an external modem for relaying communication therebetween, the method comprising the steps of:

performing a training process with the external modem for determining data transmission speed for transmitting data to the external modem ~~when~~ each time the modem attempts a connection to the external modem;

matching the data transmission speed with speed of the line by controlling output frequency of a timer corresponding to the data transmission speed determined by the training process; and

sending and receiving data with the external modem during the connection to the external modem according to the clock frequency of the timer,

wherein the training process is performed ~~whenever~~ each time the modem attempts a connection to the external modem, and the clock frequency of the timer is controlled ~~whenever~~ each time the training process is performed.

6. (canceled).

7. (original): The method for adjusting transmission speed of a modem of claim 5, wherein the modem and the external modem is connected through a telephone line and the modem is an Asymmetrical Digital Subscriber Line ("ADSL") modem.

8. (original): The method for adjusting transmission speed of a modem of claim 5, wherein the external modem is installed at a central office performing Asymmetrical Digital Subscriber Line ("ADSL") service to a plurality of subscribers' terminals.